

Mysteries of the Sun

To discuss ...

- What's the difference between the Sun and a star..? (no difference)
 - What are some of the mysteries of the Sun..?
 - Temperature in atmosphere hotter than surface.
 - Covered with bumps.
- (NOTE: Scientists say you cannot see the bumps on the Sun by looking at it. Besides, you can seriously damage your eyes. So -- as always -- never look directly at the Sun.)**
- Can you think of some of the reasons it would be difficult to study the Sun..?
 - Too far. (93 million miles away)
 - Too hot. (27 million degrees F in the center)
 - Too bright. (Could be blinded. Can't look at it without special protection for your eyes.)
 - What would you do to get a closer look at the Sun..? Any ideas..?
 - Many spacecraft now study the Sun, all from a safe distance. NASA is working on several ideas to get closer to the Sun. One idea is to build a spacecraft that would try to hide behind a heat shield, and take close-up pictures of the Sun's surface.

